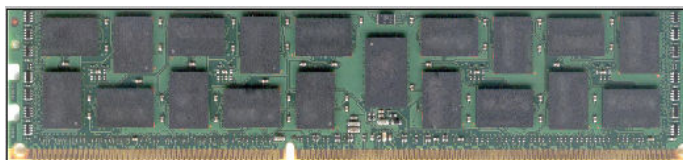


### Products in Family

GRH980L/4GB (1 x 4GB 1Rx4 DIMM)  
GRH980L/8GB (1 x 8GB 2Rx4 DIMM)  
GRH980L/16GB (1 x16GB 2Rx4 DIMM)  
GRH980QL/32GB (1 x32GB 4Rx4 DIMM)



| Features   |                                      | Description  |
|--|--------------------------------------|--|
| 240-pin JEDEC-compliant DIMMs<br>133.35 mm wide by 30 mm high (1.181" x 5.25")<br>Data Transfer Rate: 10.6 Gigabytes/sec<br>Operating Voltage: 1.35 V ±0.075 (1.5 V tolerant)<br>Fully RoHS Compliant<br>Thermal Sensor<br>Heat Spreader |                                      | Each GRH980L upgrade consists of a single DDR3 Registered DIMM that conforms to JEDEC's DDR3, PC3L-10600 (PC3L-8500 32GB) standard. One 2K-bit EEPROM is used for Serial Presence Detect and a combination register/PLL with Address and Command Parity is also used. A thermal sensor accurately monitors the DIMM module and can prevent exceeding the maximum operating temperature of 95C. |
| Dataram Product  | HP Product                           | Supported in these HP systems:   |
| GRH980L/4GB<br>GRH980L/8GB<br>GRH980L/16GB<br>GRH980QL/32GB  | A0R57A<br>A0R58A<br>A0R59A<br>A0R61A | ProLiant ProLiant DL980 G7   |

## Notes

Tolerances on all dimensions except where otherwise indicated are  $\pm .13$  (.005).

All dimensions are expressed  
in millimeters [inches]

